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NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	NOV 21	CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS 3	NOV 26	MARPAT enhanced with FSORT command
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NEWS 10	JAN 07	WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data
NEWS 11	FEB 02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS 12	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 13	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS 14	FEB 10	COMPENDEX reloaded and enhanced
NEWS 15	FEB 11	WTEXTILES reloaded and enhanced
NEWS 16	FEB 19	New patent-examiner citations in 300,000 CA/CAplus patent records provide insights into related prior art
NEWS 17	FEB 19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS 18	FEB 23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS 19	FEB 23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS 20	FEB 23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS 21	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS 22	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS 23	MAR 06	INPADOCDB and INPAFAMDB enhanced with new display formats

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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 NEWS IPC8     For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
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* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 13:24:59 ON 08 MAR 2009

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.22       0.22

FILE 'REGISTRY' ENTERED AT 13:25:07 ON 08 MAR 2009
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STRUCTURE FILE UPDATES:    6 MAR 2009  HIGHEST RN 1116745-20-0
DICTIONARY FILE UPDATES:   6 MAR 2009  HIGHEST RN 1116745-20-0

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experimental property data in the original document.  For information
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http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\STNEXP\Queries\10599918 hydrogenation of I.str
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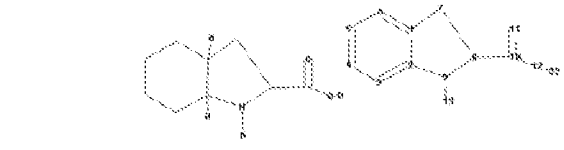

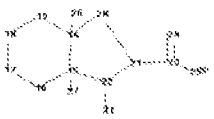

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chain nodes :
10  11  12  13  23  24  25  26  27  31  32  33
ring nodes :
1  2  3  4  5  6  7  8  9  14  15  16  17  18  19  20  21  22
```

chain bonds :
8-10 9-13 10-11 10-12 12-32 14-26 15-27 21-23 22-31 23-24 23-25 25-33

ring bonds :
1-2 1-6 1-7 2-3 2-9 3-4 4-5 5-6 7-8 8-9 14-15 14-19 14-20 15-16 15-22
16-17 17-18 18-19 20-21 21-22
exact/norm bonds :
2-9 8-9 15-22 21-22
exact bonds :
1-7 7-8 8-10 9-13 12-32 14-15 14-19 14-20 14-26 15-16 15-27 16-17 17-18
18-19 20-21 21-23 22-31 25-33
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-12 23-24 23-25
isolated ring systems :
containing 1 : 14 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom
22:Atom 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 31:CLASS 32:CLASS
33:CLASS
fragments assigned product role:
containing 14
fragments assigned reactant/reagent role:
containing 1

L1   STRUCTURE UPLOADED

=> d L1
L1 HAS NO ANSWERS
L1   STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> file casreact
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                         ENTRY   SESSION
FULL ESTIMATED COST   0.48   0.70

FILE 'CASREACT' ENTERED AT 13:25:29 ON 08 MAR 2009
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FILE CONTENT:1840 - 2 Mar 2009 VOL 150 ISS 10

New CAS Information Use Policies, enter HELP USAGETERMS for details.

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*                                                              *
*     CASREACT now has more than 16.5 million reactions        *
*                                                              *
****************************************************************

CASREACT contains reactions from CAS and from: ZIC/VINITI database
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This file contains CAS Registry Numbers for easy and accurate substance
identification.

=> s L1 sSS full
FULL SEARCH INITIATED 13:25:35 FILE 'CASREACT'
SCREENING COMPLETE -      118 REACTIONS TO VERIFY FROM       20 DOCUMENTS

100.0% DONE     118 VERIFIED      10 HIT RXNS                         6 DOCS
SEARCH TIME: 00.00.01

L2            6 SEA SSS FUL L1 (    10 REACTIONS)

=> d ibib abs fhit 1-
YOU HAVE REQUESTED DATA FROM 6 ANSWERS - CONTINUE? Y/(N):y


L2   ANSWER 1 OF 6  CASREACT  COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER:        149:402630  CASREACT  Full-text
TITLE:                   Efficient access to enantiomerically pure cyclic
                         α-amino esters through a lipase-catalyzed
                         kinetic resolution
AUTHOR(S):               Alatorre-Santamaria, Sergio; Rodriguez-Mata, Maria;
                         Gotor-Fernandez, Vicente; de Mattos, Marcos Carlos;
                         Sayago, Francisco J.; Jimenez, Ana I.; Cativiela,
                         Carlos; Gotor, Vicente
CORPORATE SOURCE:        Departamento de Quimica Organica e Inorganica,
                         Instituto Universitario de Biotecnologia de Asturias,
                         Universidad de Oviedo, Oviedo (Asturias), 33071, Spain
SOURCE:                  Tetrahedron: Asymmetry (2008), 19(14), 1714-1719
                         CODEN: TASYE3; ISSN: 0957-4166
PUBLISHER:               Elsevier Ltd.
DOCUMENT TYPE:           Journal
LANGUAGE:                English
AB    A series of α-amino acid derivs. containing the 2,3-dihydroindole or
      octahydroindole core have been chemoenzymically synthesized in good overall
      yields and high enantiomeric purity under mild reaction conditions using
      lipases for the introduction of chirality.  Candida antarctica lipase type A
      has shown excellent activity and high enantiodiscrimination ability toward the
      two cyclic amino esters used as substrates.  The selectivity of the process
      proved to be greatly dependent on the alkoxycarbonylating agent.  Thus, the
      enzymic kinetic resolution of Me indoline-2-carboxylate has been successfully
      achieved using 3-methoxyphenyl allyl carbonate, whereas (2R,3aR,7aR)-benzyl
      octahydroindole-2-carboxylate required the less reactive diallyl carbonate.
```
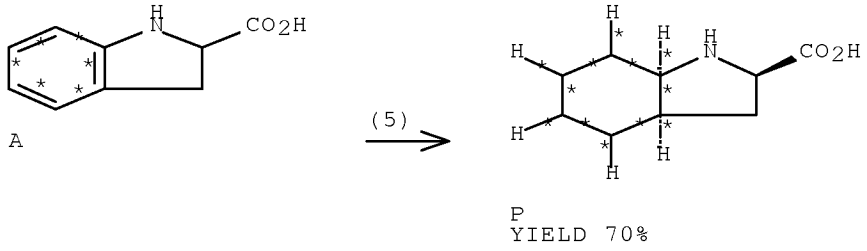
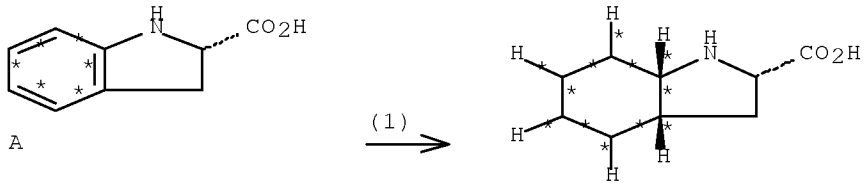

RX(5) OF 32 A ===> P...



RX(5) RCT A 78348-24-0
RGT Q 1333-74-0 H2
PRO P 80828-13-3
CAT 1314-15-4 PtO2
SOL 64-19-7 AcOH
CON 60 deg C
NTE stereoselective
REFERENCE COUNT: 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 2 OF 6 CASREACT COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 148:191805 CASREACT Full-text
TITLE: Versatile methodology for the synthesis and α-functionalization of (2R,3aS,7aS)-octahydroindole-2-carboxylic acid
AUTHOR(S): Sayago, Francisco J.; Isabel Calaza, M.; Jimenez, Ana I.; Cativiela, Carlos
CORPORATE SOURCE: Departamento de Quimica Organica, Instituto de Ciencia de Materiales de Aragon-CSIC, Universidad de Zaragoza, Zaragoza, 50009, Spain
SOURCE: Tetrahedron (2007), Volume Date 2008, 64(1), 84-91
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB An improved strategy for the effective synthesis of enantiomerically pure (2R,3aS,7aS)-octahydroindole-2-carboxylic acid, based on the formation of a trichloromethyloxazolidinone derivative, has been developed. Addnl., the completely diastereoselective α-alkylation of such oxazolidinone provides a very convenient and concise route to enantiopure α-tetrasubstituted derivs. of this stereoisomer of octahydroindole-2-carboxylic acid.

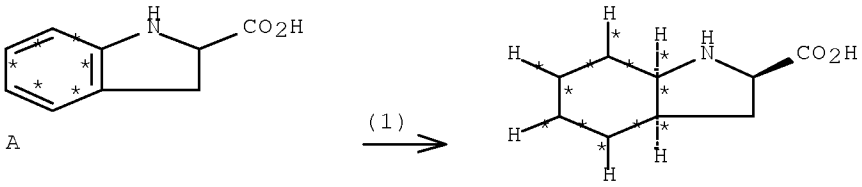
RX(1) OF 21 A ===> B...



RX(1) RCT A 79815-20-6
RGT C 1333-74-0 H2
PRO B 80875-98-5
CAT 1314-15-4 PtO2
SOL 64-19-7 AcOH
CON 24 hours, 60 deg C
NTE stereoselective
REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 3 OF 6 CASREACT COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 148:79277 CASREACT Full-text
TITLE: Efficient access to N-protected derivatives of (R,R,R)- and (S,S,S)-octahydroindole-2-carboxylic acid by HPLC resolution
AUTHOR(S): Sayago, Francisco J.; Jimenez, Ana I.; Cativiela, Carlos
CORPORATE SOURCE: Departamento de Quimica Organica, Instituto de Ciencia de Materiales de Aragon, Universidad de Zaragoza-CSIC, Zaragoza, 50009, Spain
SOURCE: Tetrahedron: Asymmetry (2007), 18(19), 2358-2364
CODEN: TASYE3; ISSN: 0957-4166
PUBLISHER: Elsevier Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The preparation of the proline analog (2S,3aS,7aS)-octahydroindole-2-carboxylic acid (Oic) and its enantiomer, (2R,3aR,7aR)-Oic, is described. A racemic precursor has been synthesized in good yield and subjected to HPLC resolution on a chiral column. The high efficiency of both the synthetic and chromatog. procedures has allowed the isolation of multigram quantities of each amino acid in enantiomerically pure form and suitably protected for use in peptide synthesis.

RX(1) OF 20 A ===> B...

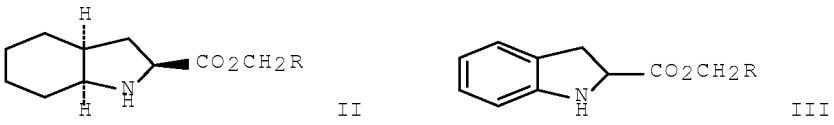


RX(1) RCT A 78348-24-0
RGT C 64-19-7 AcOH, D 1333-74-0 H2
PRO B 80828-13-3
CAT 1314-15-4 PtO2
CON 24 hours, 60 deg C
NTE stereoselective
REFERENCE COUNT: 70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 4 OF 6 CASREACT COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 145:397363 CASREACT Full-text
TITLE: Process for the synthesis of (2S,3aS,7aS)-perhydroindole-2-carboxylic acid and its esters, useful intermediates in the manufacture of perindopril, via resolution of 2,3-dihydroindole-2-carboxylic acid alkyl esters and catalytic hydrogenation of (2S)-2,3-dihydroindole-2-carboxylic acid
INVENTOR(S): Le, Goffic Francois
PATENT ASSIGNEE(S): Laboratoire Substipharm, Fr.
SOURCE: Fr. Demande, 20pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

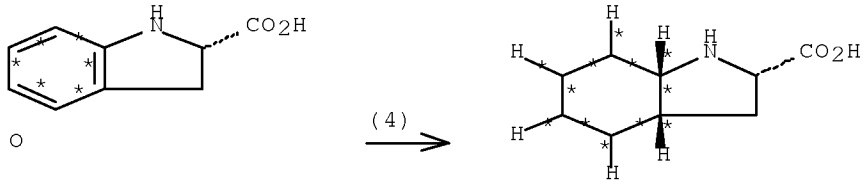
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2883874	A1	20061006	FR 2005-3293	20050404

PRIORITY APPLN. INFO.: FR 2005-3293 20050404
OTHER SOURCE(S): MARPAT 145:397363
GI



AB The invention is related to a process for preparation of (-)-(2S,3aS,7aS)-perhydroindole-2-carboxylic acid (I) and its esters II [R = H, alkyl], useful intermediates in the synthesis of perindopril, by (a) enzymic resolution of rac-III [R1 = (un)substituted H, alk(en)yl] by protease-catalyzed hydrolysis to isolate the ester (S)-III and (2R)-2,3-dihydroindole-2-carboxylic acid; (b) saponification or hydrolysis of the ester (S)-III to give (2S)-2,3-dihydroindole-2-carboxylic acid (IV); (c) catalytic hydrogenation of acid IV to give I; (d) isolation of acid I; (e) optionally, esterification of I to give esters of formula II; and (f) isolation of esters II. Advantages include selective preparation of diastereomer acid I in good yield and excellent purity, and simple purification Thus, acid I was prepared, in > 99% enantiomeric purity, via subtilisin-catalyzed resolution of a mixture of Me 2,3-dihydroindole-2-carboxylate and Et 2,3-dihydroindole-2-carboxylate and hydrogenation of acid IV over Rh/C.

RX(4) OF 10 ...O ===> R



R
YIELD 90%

RX(4) RCT O 79815-20-6
RGT S 1333-74-0 H2
PRO R 80875-98-5
CAT 7440-16-6 Rh
SOL 67-56-1 MeOH, 7732-18-5 Water
CON 24 hours, 60 deg C, 30 bar
NTE stereoselective
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

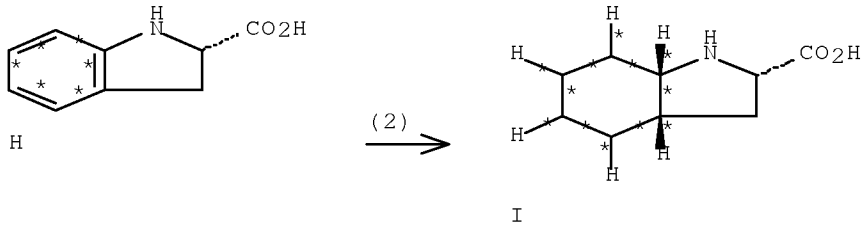
L2 ANSWER 5 OF 6 CASREACT COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 143:367597 CASREACT Full-text
TITLE: Process for the preparation of perindopril
INVENTOR(S): Kankan, Rajendra Narayanrao; Rao, Dharmaraj Ramachandra
PATENT ASSIGNEE(S): Neopharma Limited, UK
SOURCE: Brit. UK Pat. Appl., 21 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2413128	A	20051019	GB 2004-8258	20040413
AU 2005232938	A1	20051027	AU 2005-232938	20050407
CA 2562843	A1	20051027	CA 2005-2562843	20050407
WO 2005100317	A1	20051027	WO 2005-GB1355	20050407
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1751107	A1	20070214	EP 2005-732439	20050407
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
JP 2007532616	T	20071115	JP 2007-507836	20050407
IN 2006DN06462	A	20070831	IN 2006-DN6462	20061101
KR 2007054142	A	20070528	KR 2006-723684	20061113
US 20070185335	A1	20070809	US 2007-599918	20070409
PRIORITY APPLN. INFO.:			GB 2004-8258	20040413
			WO 2005-GB1355	20050407

OTHER SOURCE(S): MARPAT 143:367597

AB A process for preparing perindopril or a pharmaceutically-acceptable salt comprises coupling a 4-halo-, 4-alkoxy- or 4-nitrobenzyl ester of (2S,3aS,7aS)-2-carboxyoctahydroindole with N-[(S)-1-carbethoxybutyl]-L-alanine (1) in the presence of DCC and HOBT, followed by catalytic hydrolgenolysis. The starting ester was obtained from (S)-indoline-2-carboxylic acid by hydrogenation-esterification and 1 was obtained from norvaline Et ester and pyruvic acid under catalytic hydrogenation conditions. The method was applied to the synthesis perindopril erbumine (20.5 g obtained from 24 g 4-chlorobenzyl ester and 21.26 g 1).

RX(2) OF 10 H ===> I...



I

RX(2) RCT H 79815-20-6

STAGE(1)
RGT D 1310-73-2 NaOH, E 1333-74-0 H2
CAT 7440-16-6 Rh
SOL 7732-18-5 Water
CON SUBSTAGE(1) 50 deg C, 12 atm
SUBSTAGE(2) 15 - 20 deg C

STAGE(2)
RGT J 7647-01-0 HCl
SOL 7732-18-5 Water
CON 15 - 20 deg C, pH 3.0 - 3.2

PRO I 80875-98-5
NTE stereoselective, autoclave used, catalyst on alumina
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 6 OF 6 CASREACT COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 111:77846 CASREACT Full-text
TITLE: Industrial preparation of (2S,3aS,7aS)-perhydroindole-2-carboxylic acid as intermediate for antihypertensive perindopril
INVENTOR(S): Vincent, Michel; Baliarda, Jean; Marchand, Bernard; Remond, Georges
PATENT ASSIGNEE(S): ADIR, Fr.
SOURCE: Eur. Pat. Appl., 16 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 308339	A1	19890322	EP 1988-402337	19880916
EP 308339	B1	19920506		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
FR 2620703	A1	19890324	FR 1987-12900	19870917
FR 2620703	B1	19911004		
DK 8805149	A	19890318	DK 1988-5149	19880915
AU 8822361	A	19890323	AU 1988-22361	19880916
AU 618752	B2	19920109		
ZA 8806931	A	19890530	ZA 1988-6931	19880916
US 4935525	A	19900619	US 1988-245352	19880916
JP 02191251	A	19900727	JP 1988-232123	19880916
AT 75735	T	19920515	AT 1988-402337	19880916
ES 2033450	T3	19930316	ES 1988-402337	19880916
US 4954640	A	19900904	US 1990-462797	19900110
PRIORITY APPLN. INFO.:			FR 1987-12900	19870917
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OTHER SOURCE(S): MARPAT 111:77846
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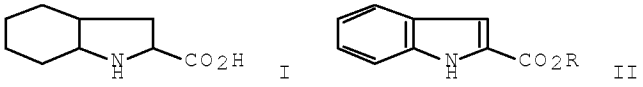
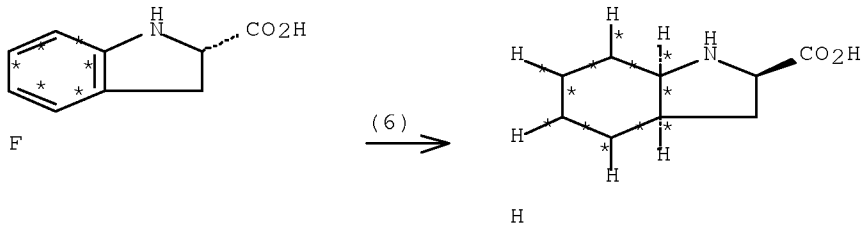


AB The title compound (I), useful as an intermediate for antihypertensive perindopril, was prepared from indolecarboxylic acid derivs. II (R = H, lower alkyl). Esterification of II (R = H) in EtOH containing H2SO4, reduction with Sn in EtOH containing HCl, saponification, and resolution gave (S)-indoline-2-carboxylic acid (III). Hydrogenation of III over Rh under H2 at 60° gave (2S,3aS,7aS)-octahydroindole-2-carboxylic acid.

RX(6) OF 27 ...F ===> R...



RX(6) RCT F 79815-20-6
PRO H 80828-13-3

=> log off
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
STN INTERNATIONAL LOGOFF AT 13:26:36 ON 08 MAR 2009